

Post-doctoral Scholar position focused on improving Earth system science approaches to evapotranspiration partitioning through data fusion

Project Overview:

This project aims to address the uncertainty in modeled estimates of T/ET, which is the ratio of transpiration (T) to evapotranspiration (ET). This project will evaluate different T/ET partitioning methods and use them to produce benchmark T/ET data products at long-term research sites and in an upscaled estimate, global T/ET estimates derived from calibrated model simulations under current and future conditions. In doing so, the project will provide fundamental advancements in the characterization of process-based model uncertainty, improvement of modeling with T/ET fusion estimates, and estimation of future declines in T/ET under changing climates. The proposed research will leverage data from AmeriFlux networks and other networks and aligns with broader initiatives to advance Earth System Science overall.

Position Description:

A post-doctoral scholar is sought to advanced this project. This individual will work with Dr. Stephen Good at Oregon State University, and with collaborators from other university and government partners. The individual will be employed as a Post-doctoral Scholar with the Department of Biological and Ecological Engineering at Oregon State University, in Corvallis, OR.

This position has an anticipated start date of September 15th, 2023. The successful candidate should hold a Ph.D. in a relevant field with a specialization in physical hydrology and/or Earth system modeling preferred. Candidates must have received a PhD within the past five years from an accredited college or university. Salary for this position is set by university policy to follow NIH guidelines (<https://gradschool.oregonstate.edu/postdocs/stipends-and-benefits>) based on prior experience. This appointment is for 1 year with renewal of 1 additional year.

Oregon State University commits to inclusive excellence by advancing equity and diversity in all that we do. We are an Affirmative Action/Equal Opportunity employer, and particularly encourage applications from members of historically underrepresented racial/ethnic groups, women, individuals with disabilities, veterans, LGBTQ community members, and others who demonstrate the ability to help us achieve our vision of a diverse and inclusive community.

To Apply:

To apply please submit a cover letter and CV at https://oregonstate.qualtrics.com/jfe/form/SV_9YwNVMdb8fuoWLY.

For more information, please contact Stephen Good at Stephen.good@oregonstate.edu.